



SEQUENCE LISTING

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<120> Polyglucan And Polyglucan Derivatives Which Can Be Obtained From Amylosucrase By Biocatalytic Production In The Presence Of Biogenic Substances

<130> 29988/AX98115

<140> 09/807,146

<141> 2001-04-06

<150> 19846492.4

<151> 1998-10-09

<160> 1

<170> PatentIn version 3.0

<210> 1

<211> 636

<212> PRT

<213> Neisseria polysaccharea

<400> 1

Met	Leu	Thr	Pro	Thr	Gln	Gln	Val	Gly	Leu	Ile	Leu	Gln	Tyr	Leu	Lys
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Thr	Arg	Ile	Leu	Asp	Ile	Tyr	Thr	Pro	Glu	Gln	Arg	Ala	Gly	Ile	Glu
			20					25					30		
Lys	Ser	Glu	Asp	Trp	Arg	Gln	Phe	Ser	Arg	Arg	Met	Asp	Thr	His	Phe
		35					40					45			

Pro	Lys	Leu	Met	Asn	Glu	Leu	Asp	Ser	Val	Tyr	Gly	Asn	Asn	Glu	Ala	50	55	60	
Leu	Leu	Pro	Met	Leu	Glu	Met	Leu	Leu	Ala	Gln	Ala	Trp	Gln	Ser	Tyr	65	70	75	80
Ser	Gln	Arg	Asn	Ser	Ser	Leu	Lys	Asp	Ile	Asp	Ile	Ala	Arg	Glu	Asn	85	90	95	
Asn	Pro	Asp	Trp	Ile	Leu	Ser	Asn	Lys	Gln	Val	Gly	Gly	Val	Cys	Tyr	100	105	110	
Val	Asp	Leu	Phe	Ala	Gly	Asp	Leu	Lys	Gly	Leu	Lys	Asp	Lys	Ile	Pro	115	120	125	
Tyr	Phe	Gln	Glu	Leu	Gly	Leu	Thr	Tyr	Leu	His	Leu	Met	Pro	Leu	Phe	130	135	140	
Lys	Cys	Pro	Glu	Gly	Lys	Ser	Asp	Gly	Gly	Tyr	Ala	Val	Ser	Ser	Tyr	145	150	155	160
Arg	Asp	Val	Asn	Pro	Ala	Leu	Gly	Thr	Ile	Gly	Asp	Leu	Arg	Glu	Val	165	170	175	
Ile	Ala	Ala	Leu	His	Glu	Ala	Gly	Ile	Ser	Ala	Val	Val	Asp	Phe	Ile	180	185	190	
Phe	Asn	His	Thr	Ser	Asn	Glu	His	Glu	Trp	Ala	Gln	Arg	Cys	Ala	Ala	195	200	205	
Gly	Asp	Pro	Leu	Phe	Asp	Asn	Phe	Tyr	Tyr	Ile	Phe	Pro	Asp	Arg	Arg	210	215	220	
Met	Pro	Asp	Gln	Tyr	Asp	Arg	Thr	Leu	Arg	Glu	Ile	Phe	Pro	Asp	Gln	225	230	235	240
His	Pro	Gly	Gly	Phe	Ser	Gln	Leu	Glu	Asp	Gly	Arg	Trp	Val	Trp	Thr	245	250	255	
Thr	Phe	Asn	Ser	Phe	Gln	Trp	Asp	Leu	Asn	Tyr	Ser	Asn	Pro	Trp	Val	260	265	270	
Phe	Arg	Ala	Met	Ala	Gly	Glu	Met	Leu	Phe	Leu	Ala	Asn	Leu	Gly	Val	275	280	285	
Asp	Ile	Leu	Arg	Met	Asp	Ala	Val	Ala	Phe	Ile	Trp	Lys	Gln	Met	Gly	290	295	300	
Thr	Ser	Cys	Glu	Asn	Leu	Pro	Gln	Ala	His	Ala	Leu	Ile	Arg	Ala	Phe	305	310	315	320
Asn	Ala	Val	Met	Arg	Ile	Ala	Ala	Pro	Ala	Val	Phe	Phe	Lys	Ser	Glu	325	330	335	
Ala	Ile	Val	His	Pro	Asp	Gln	Val	Val	Gln	Tyr	Ile	Gly	Gln	Asp	Glu	340	345	350	
Cys	Gln	Ile	Gly	Tyr	Asn	Pro	Leu	Gln	Met	Ala	Leu	Leu	Trp	Asn	Thr	355	360	365	

Leu Ala Thr Arg Glu Val Asn Leu Leu His Gln Ala Leu Thr Tyr Arg  
 370 375 380  
 His Asn Leu Pro Glu His Thr Ala Trp Val Asn Tyr Val Arg Ser His  
 385 390 395 400  
 Asp Asp Ile Gly Trp Thr Phe Ala Asp Glu Asp Ala Ala Tyr Leu Gly  
 405 410 415  
 Ile Ser Gly Tyr Asp His Arg Gln Phe Leu Asn Arg Phe Phe Val Asn  
 420 425 430  
 Arg Phe Asp Gly Ser Phe Ala Arg Gly Val Pro Phe Gln Tyr Asn Pro  
 435 440 445  
 Ser Thr Gly Asp Cys Arg Val Ser Gly Thr Ala Ala Ala Leu Val Gly  
 450 455 460  
 Leu Ala Gln Asp Asp Pro His Ala Val Asp Arg Ile Lys Leu Leu Tyr  
 465 470 475 480  
 Ser Ile Ala Leu Ser Thr Gly Gly Leu Pro Leu Ile Tyr Leu Gly Asp  
 485 490 495  
 Glu Val Gly Thr Leu Asn Asp Asp Asp Trp Ser Gln Asp Ser Asn Lys  
 500 505 510  
 Ser Asp Asp Ser Arg Trp Ala His Arg Pro Arg Tyr Asn Glu Ala Leu  
 515 520 525  
 Tyr Ala Gln Arg Asn Asp Pro Ser Thr Ala Ala Gly Gln Ile Tyr Gln  
 530 535 540  
 Gly Leu Arg His Met Ile Ala Val Arg Gln Ser Asn Pro Arg Phe Asp  
 545 550 555 560  
 Gly Gly Arg Leu Val Thr Phe Asn Thr Asn Asn Lys His Ile Ile Gly  
 565 570 575  
 Tyr Ile Arg Asn Asn Ala Leu Leu Ala Phe Gly Asn Phe Ser Glu Tyr  
 580 585 590  
 Pro Gln Thr Val Thr Ala His Thr Leu Gln Ala Met Pro Phe Lys Ala  
 595 600 605  
 His Asp Leu Ile Gly Gly Lys Thr Val Ser Leu Asn Gln Asp Leu Thr  
 610 615 620  
 Leu Gln Pro Tyr Gln Val Met Trp Leu Glu Ile Ala  
 625 630 635